IMPROVED IMMUNOGLOBULIN VARIABLE DOMAINS

Abstract

VH domain, in which: (i) the amino acid residue at position 1 12 is one of K or Q; and/or (ii) the amino acid residue at position 89 is T; and/or (iii) the amino acid residue at position 89 is L and the amino acid residue at position 1 10 is one of K or Q; and (iv) in each of cases (i) to (hi), the amino acid at position 1 1 is preferably V; and in which said VH domain contains a C-terminal extension (X)n, in which n is 1 to 10, preferably 1 to 5, such as 1, 2, 3, 4 or 5 (and preferably 1 or 2, such as 1); and each X is an (preferably naturally occurring) amino acid residue that is independently chosen, and preferably independently chosen from the group consisting of alanine (A), glycine (G), valine (V), leucine (L) or isoleucine (I).

Figure 1